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PALAGAWAANG ARANETA-PLPA SA KATAWAGAN PARA SA SALIPAT NG AGHIMUAN SA KABUKIRAN

(ARANETA-NSDB Terminology Program for Technology Transfer to Rural Areas)

Blg. 4

SÁKAHAN

(AGRICULTURE)

Ihinanda nina

PA M. MEDINA

O L. REYES

DSA
M43s
1978

Araneta University Foundation
(Pamantasang Gregorio Araneta)
Liwasang Victoneta, Malabon
Dak-Maynila

r Araneta

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Dalubhasaan ng Sining at Agham, TPGA

Tanging Pag-aaral: Aghimuing Pilipino

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Tanging Kasanayan: Sapaganap-Pamamahala

BUNGADSABI

Ang **Palagawaang Araneta-PLPA sa Katawagan para sa Salipat ng Aghimuan sa Kabukiran** ay isang palagawaan ng sabalak-wika na tinutustusan ng PLPA (Pambansang Lupon sa Paunlarang Agham) sa ilalim ng Panukala Blg. NSDB-GAUF 7706 Spi. Bilang panimulang hakbang ito ay nagtipon ng siyam (9) na batayan at magkakaugnay na may 1000-pasok na talasalitaan ng mga tawag at pahayag sa Aghimuing Pilipino, na ihinanda ayon sa pamamaraang maugnayin, sa mga sumusunod na sinatanging aghimuaning larangan:

1. Sinalapat na Sipnayan
2. Sinalapat na Agham
3. Sabalak-Angkan
4. Sakahan
5. Sakahaning Agsikapan
6. Palahayupan
7. Palagamutang-Hayop
8. Palagubatan
9. Pamahayagan at Salathala

Lahat ng mga nangaunang talasalitaan sa Pilipino, pati na yaong sa maugnaying Pilipino na ihinanda ng **Lupon sa Agham,** ay naglalaman ng halos lahatang tawag at pahayag lamang sa agham; walang isa man na nagbibigay ng tiyak at maayos na mga salitang-pasok tulad ng makikita sa siyam na talasalitaang ihinanda ngayon ng Palagawaang ito. Ang siyam na talasalitaan ay panungkulaning sinatungo at maaaring gamitin sa paghahanda ng sapat na mga aklat-aralan para sa lahat ng aghimuing kaaralan sa dalubhasaan na ibinibigay sa **Takaran ng Pamantasang Gregorio Araneta** gayundin para sa mga katulad na kaaralan sa ibang mga dalubhasaan at pamantasan.

Ang Sabalak-Angkan ay hindi pangunahing pantalaaralang larangan ngunit isinama ito bilang hiwalay na panukala dahil sa napapanahon at dahil sa ang pagkamabisa ng maugnaying Pilipino ay unang naipakilala sa larangang ito.

Sa lahatang ayos ng Palagawaan, ang bawat isa sa siyam na guro ng Kagawaran ng Aghimuing Pilipino ng Pamantasan na may kasanayan at may karanasan ay nakipagtulungan sa isang may kakayahan at karanasang guro ng bawat aghimuanin o pang-agham na dalubhasaan ng TPGA. Ang bawat ganyang koponan ay nagtipon, nagsuri ng kahulugan, nagsapamantayan at sumubok sa mga tawag at pahayag ng kaukulang larangan ng koponan.

Ang gawain ay sinimulan noong Pebrero 16, 1978 at natapos noong Hulyo 15, 1978.

Ang mga manunungkulan at manunupad ay dumaraing sa kakulangan ng mga aklat at ibang lathalaing nakasulat sa aghimuing Pilipino. Ito ay dahil sa kakulangan ng maayos at makatwirang talasalitaan sa iba't ibang aghimuaning larangan. Sa ngayon, wala pang pampaturuang tatagin, maliban sa Takaran ng Pamantasang Gregorio Araneta, na nakapaglakip ng kadalubhasaan sa wika at sa aghimuan at humarap upang tustusan ang mahalgang pangangailangang ito. Ang iba ay naniniwala na ang mga aghimuing sansalitaan ay likas na sisipot sa kaukulang panahon. Maaaring gayon nga sa katagalan, ngunit ang haba ng kakailanganing panahon ay magiging dikatanggap-tanggap; ito ay maaaring masukat sa mga dantaon sa halip na sa mga pampaaralang hatintaon.

Gumagamit ang Pamamaraang Maugnayin sa mga hangong salita batay sa mga salitang-ugat, panlapi, panambal at palabuuan na dati nang alam, o madaling maipaliliwanag, sa lakastao sa kabukiran ng bansang ito na may matibay na sanligan ng wikang Sampuluanin o Malayo-Polinesiko. Ang maugnaying pamamaraan ay salungat sa walang-taros na paggamit ng mga salitang hiram, lalo na yaong naghahalo ng maraming panambal na Griyego at Latin na hindi madaling maipaliwanag sa di-katutubong nagsasalita ng mga wikang Yurophin. Gayunman, ang mga aghaming ngalan ng mga halaman at hayop (hbw. **Terminalia catappa** para sa punong talisay) ay mananatili upang hindi magambala ang kasiyangaan.

Inaasahan na mula ngayon ang mga tapos sa Sakahan at mga kaugnay na kaaralan, na gumamit ng mga

aklat-aralan na nakasulat sa aghimuing Pilipino, na ihinanda ayon sa Pamamaraang Maugnayin, tulad ng ipinaliwanag sa itaas, ay makakatuklas na maaaring ilipat ang aghimuan sa lakastao sa mga kabukiran.

May apat na katangian ang siyam na talasalitaan ng Palagawaang ito na magpapagaan sa kanilang salagom sa kabuuan ng mga katawagang maugnayin.

Una, sila ay maugnayin sa mga salitang nakapasok na sa "Maugnaying Talasalitaang Pang-agham, Ingles-Pilipino" na ilinathala ng **Lupon sa Agham** na itinaguyod ng UNESCO noong 1969. Nagtataglay ng mga 7,500 salita, tawag at pahayag ang lahatang talasalitaang pang-agham na ito.

Pangalawa, ang unang 350 mga salitang-pasok sa bawat isa ng siyam na muntaklat ay magkakaisa, upang mabigyan ang lahat ng siyam na panungkulaning larangan ng magkatulad na butod ng mga batayang tawag na pang-agham.

Pangatlo, sa 350 salitang-pasok, 200 and mga "salitang susi" na sa Pamamaraang Maugnayin ay kailangang ituro sa lahat ng mga bata sa mababang paaralan sa una at ikalawang baitang. Kasama rito ang mga batayang dalumat tulad ng bilang (number), dami (quantity), haba (length), atb. Maraming mga tawag ang napasama sa mga "salitang susi" hindi lamang sa kanilang kahulugan kundi sa dahilang sila ay maliwanag na naglalarawan ng mga tiyak na pamamaraan ng palabuuan ng salita sa Pilipino. Sa pagsasanay sa mga salitang yaon sa mga murang gulang, lagi nang matatanim sa isip ng mga mag-aaral sa mababang paaralan ang mga kaukulang palabuuan ng mga salita.

Pang-apat, lahat ng siyam na talasalitaan ay maugnayin sa may humigit-kumulang na 30,000 maugnaying tawag at tumpak na paggamit na nakapanid sa LUNSAG **(Lunduyang Simpanan ng mga Salitang Agham),** mga talaturuang panid na sinisimpan ng Kagawaran ng Aghimuing Pilipino ng pamantasang ito.

PREFACE

The **Araneta-NSDB Terminology Program for Technology Transfer to Rural Areas** is a language planning program financially assisted by the NSDB (National Science Development Board) under its Project No. NSDB-GAUF 7706 Spi. It is designed to compile, as an initial step, nine (9) basic and interrelated 1000-entry vocabularies or word lists of technical Pilipino terms and expressions, structured according to the Maugnayin Approach, in the following specific technological areas:

1. Applied Mathematics
2. Applied Sciences
3. Family Planning
4. Agriculture
5. Agricultural Engineering
6. Animal Husbandry
7. Veterinary Medicine
8. Forestry
9. Journalism and Publishing

All previous word lists or vocabularies in Pilipino, including those in Maugnaying Pilipino published by the **Lupon sa Agham,** a Pilipino translation committee sponsored by the UNESCO National Commission of the Philippines in 1965, contained mostly general terms and expressions in the pure sciences; there was none offering specific, rigorous and systematic entries like those found in the nine vocabularies compiled under this Program. These nine word lists are profession-oriented and would make possible the preparation of adequate textbooks for all the collegiate technological courses offered in the **Gregorio Araneta University Foundation** as well as for similar courses in other colleges and universities.

Family Planning is not a main curricular area but it has been included as a separate project of the Program because of its relevance today and because the effectiveness of Maugnaying Pilipino was first demonstrated in this field.

The general plan of the Program was for each of nine qualified and experienced faculty members of the University's **Department of Technical Pilipino** to team up with one qualified and experienced faculty member in

Ang isip ng tao ay mabilis na natututo, nakapanganganatwiran nang mabuti at nakapag-iisip nang lalong malikhain kapag maraming landas ng pagkakaugnayan sa mga salita, tawag at pahayag ng wikang ginagamit. Sagitan ng hakbang na ito sa **Palagawaang Araneta-PLPA sa Katawagan para sa Salipat ng Aghimuan sa Kabukiran,** umaasa kami na nakasulong kami nang malaki tungo sa malawak na saunlad ng agham at aghimuan sa bansang ito.

GONSALO DEL ROSARIO
Pamuno ng Panukala

Hulyo 15, 1978

facilitate their integration into the whole body of maugnayin terminology.

First, they are all consistent and interrelated with the entries in the "Maugnaying Talasalitaang Pang-Agham, Ingles- Pilipino" published by the UNESCO-sponsored **Lupon sa Agham** in 1969. This general science vocabulary contains some 7,500 words, terms and expressions.

Second, the first 350 entries of each of the nine booklets are identical in order to provide all nine professional areas with the same core or nucleus of fundamental science terms.

Third, of the 350 entries, 200 are the "Key Words" which, in the Maugnayin Approach, must be taught to all elementary school children in their first and second grades. They include such very basic concepts as number (bilang), quantity (dami), length (haba), etc. Many terms have been included among the "Key Words" not primarily because of their meanings but because they clearly illustrate distinct methods of word formation. By mastering such words at an early age, elementary school children will indelibly internalize in their minds the corresponding word morphologies.

Fourth, all the nine vocabularies are consistent with the approximately 30,000 maugnayin terms and actual usages catalogued in the LUNSAG (Lunduyang Simpanan ng mga Salitang-Agham) or **Central Repository of Science Words,** a card file being maintained and continually updated by the Department of Technical Pilipino of this University.

The human mind learns faster, reasons better and thinks more creatively when there are many pathways of interrelatedness between and among the words, terms and expressions of the language used. With this step in the **Araneta-NSDB Terminology Program for Technology Transfer to Rural Areas,** we hope to have taken a giant stride on the road towards the intensive development of science and technology in this country.

GONSALO DEL ROSARIO
Project Leader

July 15, 1978

each of the technological or science institutes of GAUF. Each team thus formed then collected, semantically analysed, standardized and tested terms and expressions in the team's particular field. The nine technological vocabularies thus produced have been published as convenient booklets each 9 inches wide, 7.5 inches long and of about 50 pages.

The work was started on February 16, 1978 and was completed on July 15, 1978.

Professionals and practitioners have decried the lack of books and other publications written in technical Pilipino, and this was due to the lack of systematic and authoritative vocabularies in the different technological fields. So far, no educational institution aside from the Gregorio Araneta University Foundation has combined language expertise with technology and come foreward to supply this important need. Some of the others prefer to believe that technical vocabularies will spontaneously evolve in due time. This may be so in the long run, but the time frame involved would be unacceptably long; it may be measured in centuries instead of in school semesters.

The Maugnayin Approach utilizes word derivations based on root words, affixes, combining forms and word formation that are already known, or may be easily explained, to rural manpower in this country which has a strong Malayo-Polynesian language background. The Maugnayin Approach frowns upon the indiscriminate use of foreign loanwords, especially those incorporating many Greek and Latin combining forms that are not easy to explain to those who are not native speakers of European languages. However, the scientific names of plants and animals (ex. **Terminalia catappa** for the talisay tree) will be retained in order not to disturb identification.

It is hoped that college graduates who will henceforth study the agricultural and related courses using textbooks written in technical Pilipino, prepared according to the Maugnayin Approach as described above, would find it possible to transfer technology to manpower in the rural areas.

There are four characteristics of the nine vocabularies or word lists developed in this Program which will

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A. MGA KARANIWANG SALITANG PANG-AGHAM
(Common Science Words)

1. abstract	basal
2. academic	pantalisikan
3. action	gawa, bilos
4. activity	kabilusan
5. address	padalahan
6. adviser	tagapayo
7. again	muli
8. agenda	tikmaan
9. airman	manlilipad
10. album	tipunan
11. always	lagi
12. amount	daghan
13. analogy	palasurian
14. analysis	suri
15. announcement	pabatid
16. arc	bantok
17. area (in general)	lawak
18. area (specified)	dawak
19. around	palibot
20. arrangement	ayos
21. artificial	gawa-gawa
22. assistant	kawaksi
23. atmosphere	kaanginan
24. attendance	sadalo
25. autobiography	sariltalambuhay
26. average	balasak
27. axis	taluhog
28. base	takad
29. big, great, grand	malaki, dako
30. bilingual	dalwikain
31. biology	haynayan
32. body (inorganic)	lawas (Hlg.)
33. booklet	muntaklat
34. bulletin board	paskilan
35. by means of	sagitan ng
36. campus	kampusan
37. candidate	halangad
38. canteen	manganan (Kpn.)
39. capacity	lulan

40. car	batlag
41. cash (money on hand)	salaping-hawak
42. cashier	ingatsalapi
43. center	lunduyan
44. ceremony	galian
45. certain	tiyak
46. change	baylo (Bis.)
47. chaplain	kapelyan
48. chart	taltaguhit
49. chemistry	kapnayan
50. circular letter	palibot-sulat
51. civilization	kabihasnan
52. clearance	hisagutin
53. clinic	gamutan
54. closed	pinid
55. coldness	lamig
56. cold season	taglamig
57. college, institute	dalubhasaan
58. committee	lupon
59. communication	talamitam
60. companion	abay
61. complete	ganap
62. composite	lakip
63. compute	tuos
64. concavity	lukong
65. concept	dalumat
66. condense	kintay
67. conscious mind	malay
68. consistently interrelated	maugnayin
69. consultant	kasangguni
70. convexity	lukob
71. copyright	karapatang-akda
72. correct	wasto
73. create	likha
74. creative	malikhain
75. cultural	pangkalinangan
76. culture	kalinangan
77. curved	kilo
78. cylinder	bumbong
79. cylindrical	binumbong
80. date	taburaw
81. dean	dalubpuno
82. decrease	bawas

83. definition	katuringan
84. delivery	hatid
85. dense	siksik
86. design	antang (Mar.)
87. development	saunlad
88. deviation	lihis
89. dictionary	talatinigan
90. digestion	satunaw
91. direction	tungo
92. director	patnugot
93. directory (gen.)	talahanapan
94. disconnection	tanggal
95. distance	agwat
96. doctor (Ph.D.)	pantas
97. dormitory	panuluyan
98. draft	waki
99. duration	lawig
100. earth	duta (Bis.)
101. edge	gilid
102. education (as a system)	paturuan
103. effect	bisa
104. electricity	dagitab
105. elevator	sigtas
106. emeritus	higitlingkod
107. employee	kawani
108. encyclopedia	santalaalaman
109. endorsement	satukoy
110. energy	kusog (Bis.)
111. engineer	agsikap
112. environment	kapaligiran
113. epic	darangan (Mar.)
114. erase	payi
115. escalator	sigdan
116. estimate	taya
117. ethics	palaasalan
118. evaluation form	talahalgahan
119. even (Math.)	tukol
120. exact	singkad
121. excess	labaw (Hlg.) labis
122. exercise (physical)	sabanat
123. experiment	tilaw (Bis.)
124. extreme	sukdulan
125. facilities	kaluwagan

126. faculty (Ed.) kaguruan
127. family angkan
128. fee bayad
129. field larang
130. figure . . . . . laraw
131. filing cabinet salansanan
132. firmness katatagan
133. flight lipad
134. focus tingob (Hlg.)
135. folder . . . . . ipitan
136. force isig (Mat. Tag.)
137. form anyo, anyuan
138. formal maanyo
139. foundation takaran
140. gather together . . . . . lagom
141. general lahatan
142. glossary talahulugan
143. graduate school dalubhasikan
144. grain butil
145. grandstand . . . . . dakmasiran
146. granular malabutil
147. gravity dagsin (Ilk.)
148. group lipon
149. hall bulwagan
150. hidden . . . . . kubli
151. husband bana (Bis.)
152. hymn santinig
153. idea kaisipan
154. identification (I.D.) pangilala
155. imperfect (Math.) . . . . . balhag
156. imperfect (gen.) di-himpit
157. increase dagdag
158. increase of speed dasig (Bis., Bkl.)
159. indigestion di-satunaw
160. indirect measurement . . sukod
161. infra—(comb. form) sulud—(Bis.)
162. instant dagli
163. intention sadya
164. intermission panalingit
165. invocation . . . panawagan
166. involvement sadawit
167. irrigation patubig

168. jargon	wiwika
169. jeopardy	sanganib
170. Junior (Jr.)	Anak (Ak.)
171. justice	katarungan
172. juvenile	kabataan
173. kilogram	libogramo
174. kilometer	libometro
175. kin	hinlog, kaanak
176. kind	uri
177. leader	pamuno
178. lecture	panayam
179. lesson	aral
180. life	buhay
181. light (optics)	suga (Hlg.)
182. limit	takda
183. lobby	lisawan
184. log book (attendance)	taladaluhan
185. lore	alamin
186. major (Ed.)	kalakhan
187. majority	karamihan
188. masses	santao
189. master (degree)	paham
190. mathematics	sipnayan
191. measuring scale	sukatan
192. memorandum	paandam
193. messenger	tagahatid
194. Metro-Manila	Dak-Maynila
195. microphone	miktinig
196. middle	gitna
197. mimeograph	limwad
198. mind	isip
199. minor (Ed.)	kalit-an
200. minor (Gen.)	maliit
201. minutes of a meeting)	katitikan
202. more than	higit sa
203. motion	kilos
204. movement	kilusan
205. multiple	lambal
206. name (Ling.)	ngalan
207. narrate	saysay
208. natural	likas
209. nerve	dagandam
210. next	sunod

211. none (zero)	awan (lik.)
212. notebook	aklat-talaan
213. novel	kathambuhay
214. nucleus	butod
215. number	bilang
216. observation	masid
217. obstacle	hadlang
218. odd (Math.)	gansal
219. official	tungkulanin
220. one hundred thousand	yuta
221. organization	katatagan
222. organ	tatag
223. orientation	satungo
224. orthography	palatitikan
225. out of the regular	liwas
226. outstanding	katangi-tangi
227. park	liwasan
228. parliament	batasan
229. part	hati, bahagi
230. particle	tipik
231. patent	karapatang-tuklas
232. permission	tulot
233. philosophy	batnayan
234. physics	sugnayan
235. pierce	tuhog
236. place	lunan
237. population	santauhan
238. positive	tahas
239. practice	sanay
240. press release	ngalandakan
241. process	saayos
242. profession	panungkulan
243. professor	dalubguro
244. programme	talatuntunan
245. progress	unlad
246. proper	tumpak, angkop
247. prosody	palabigkasan
248. prosperity	kaniguhan
249. psychology	dalub-isipan
250. publication	lathalain
251. radio	diglap
252. real	tunay
253. receipt	dawat

254. record — tala
255. reduction — maliw
256. referendum — pagtutukoy
257. region — danay (Bis.)
258. related — kaugnay
259. religion — agamahan (Mar.)
260. remainder — labi
261. report — ulat
262. repository — simpanan
263. repulsion — sikway (Hlg.)
264. result — bunga, kinalabasan
265. retail — tingi
266. return — balik
267. review — balik-aral
268. revision — mulinyos
269. revolution (Mech.) — ikit
270. revolve — ligid
271. rotation — inog
272. rural — pangkabukiran, kabukiranin
273. scholar — paaral
274. science — agham
275. science museum — tanyagang agham
276. score — lubig
277. seedling — binhi
278. sediment — tining
279. semester — hatintaon
280. seminar — binhisipan
281. Senior (Sr.) — Ama (Am.)
282. sense — dandam
283. shape — hugis
284. sign — tanda
285. simlarity — hawig
286. small things — mikmik
287. social sciences — ulnayan
288. society (in general) — ulnong (Ilk.)
289. solid — siksin
290. solve (a problem) — lutas
291. source — mula
292. sowing — hasik
293. special — tangi
294. speed — bilis
295. sports — sanlaruan

296. spread	latag
297. square	parisukat
298. star	tala
299. steel	paslip (Ilk.)
300. stoppage	tigil
301. straight	tuwid
302. student	mag-aaral
303. subconscious mind	kubmalay
304. substance	sangkap
305. summary	buod
306. surface	dayag
307. surname	alangkan
308. switch	kabtol
309. syntax	palaugnayan
310. system	kaayusan
311. table of contents	talalamanan
312. tactics	paagi (Bis.)
313. technical	aghimuin
314. technology	aghimuan
315. telephone	hatinig
316. television	tanlap
317. term	tawag
318. term paper	sultaning
319. thermometer	initsukat
320. thermostat	initsupil
321. thesis	tikha
322. thought	isipin
323. thrust	sikad
324. time	takna (Bis.)
325. tone	linig
326. top	tuktok
327. track	tunton
328. training	pasanayan
329. treasurer	ingatyaman
330. trunk	puno
331. trustee	katiwala
332. typewriter	limbitan
333. typewriting paper	papel-limbitan
334. typist	manlilimbit
335. university	pamantasan
336. unnatural	dilikas
337. unravel	nisnis
338. urban	panlunsod

339. vapor	singaw
340. velocity	tulin
341. vice-president	puli-pangulo
342. vocabulary	talasalitaan
343. vocational	hanapbuhayin
344. voice	tinig
345. volume	buok
346. voluntary	kusa
347. vote (in an election)	halal
348. whole	buo
349. world	daigdig
350. writings	panulatan

B. PALATANIMAN
(Agronomy)

B-1 LAHATANG KATAWAGAN SA PALATANIMAN
(General Terminology in Agronomy)

351. adventitious root	saanmang ugat
352. aerial root	angining ugat
353. agriculture	sakahan
354. agrology	palasulipan
355. alternate	salisihan
356. anthesis	pagbuka ng supot
357. apiculate	usliin
358. arboricide	pamatay-puhoy
359. axillary	biklatin
360. B horizon	kapaligirang-B
361. blade	panid
362. branch	sanga
363. brace root	suhay-ugat
364. bristle	balahibo
365. broadcast	hasik
366. broadcast planting	sahasik
367. browse	talbos
368. bryophyta	luntian
369. bud	buko
370. bulb	sangansuloy
371. bush	palumpong
372. cambium	bayluhan
373. capillary water	lamuymuying tubig
374. carotine	dilawdir.sol

375. catch crop	sambuting pananim
376. cell	sihay
377. certified seed	pinatibayang binhi
378. chalaza	pakatig
379. chlorophyll	luntidinsol
380. C-horizon	kapaligirang-C
381. chlorosis	paninilaw
382. chromosomes	kulaylawas
383. class	lipihay
384. climate	panahon
385. clone	aligkatwan
386. colloid	maladigkit
387. combine	kalakip
388. companion crop	abayang pananim
389. compost	linakip
390. contour furrows	pantay-giliring tudling
391. correlation coefficient	satugnaying kabuo
392. cover crop	takip-suliping pananim
393. crop	pananim
394. crop rotation	saikot-pananim
395. cross	tawid
396. cross fertilization	tawidsapunla
397. cultivation	sabungkal
398. determinate inflorescence	taliyaking kabulaklakan
399. dioecious	sansariing halaman
400. digging	sahukay
401. division	sangay
402. drainage	hitubig
403. drought	tagtuyot
404. intercrop	sabaying pananim
405. irrigation	patubig
406. land preparation	sahanda ng lupa
407. lowland culture	tubiganing pananim
408. major crop	pangunahing pananim
409. male phase	panlalaking guwa
410. minor crop	panunuring pananim
411. monoecious plant	duhansariing halaman
412. mulching	sakilib
413. node	buko
414. off-barring	taludtastas
415. organic fertilizer	taghaying pataba
416. perennial crop	damtauning pananim

417. photoperiodism	pagkasugampuktulin
418. pneumatophore	hingahang ugat
419. plant chemistry	halmaning kapnayan
420. plant entomology	halmaning palakulisapan
421. plant nutrition	paniyang-halaman
422. planting	satanim
423. plowing	saararo
424. primary leaf	pangunahing dahon
425. primary root	pangunahing ugat
426. production	salalang
427. registered seed	naitalang binhi
428. root cap	saklub-ugat
429. root crop	ugating pananim
430. root hair	balahibong ugat
431. scientific farmer	aghaming magsasaka
432. seed	binhi
433. seed bedding	pagpupunla
434. seed dormancy	binhiing tulog
435. seed selection	binhiing sapili
436. seed testing	sasubok ng binhi
437. shoot	suloy
438. spermatophyte	butuhan
439. tap root system	laliming kaayusang ugat
440. thallophyta	suwihan
441. thinning	bawaspunla
442. transpiration	salinsingaw
443. tree water	tubig-puno
444. trichomes	bulo
445. upland culture	katihaning pananim
446. weather	panahon
447. wet season crop	tag-ulaning pananim
448. weeds	damo

B-2 TUNGKOL SA MGA DAHON
(About Leaves)

449. alernate	salisihan
450. apex	dulo
451. aristate	simain
452. axil	sihandahon
453. base	takad
454. circular	bilugan
455 collenchyma	tibaysihayan

456. compound leaf	tambalang dahon
457. cordate	pusuin
458. entire margin	pantaying gilid
459. epidermis	balatdahon
460. flagleaf	tanghaldahon
461. guttation	pamamatak
462. hydatode	hidanuman
463. lanceolate	sibatin
464. leaf arrangement	ayusang dahon
465. leaf blade	paniddahon, panid
466. leaflet, pinna	litdahon
467. linear	habain
468. lobes	umbukan
469. margin (of leaf)	gilid (ng dahon)
470. mesophyll	gitnandahon
471. midrib	tinting
472. net venation	lambating kamalaugatan
473. opposite	tapatan
474. ovate	habilugan
475. palmate	tungalatin
476. parenchyma	mulsihayan
477. parted	pigtalin
478. phloem	paniyandaluyan
479. petiole	tangkaydahon, tangkay
480. photosynthesis	suglaguman
481. pinnate	halayhayin
482. prophylum	undahon
483. prosenchyma	kasihayan
484. pulvinus	agpangan
485. sclerenchyma	tigasihayan
486. sheath	talupak
487. simple leaf	payak na dahon
488. stipule	dahundahunan
489. stoma	kilitdahon
490. tendril	kaway
491. toothed, dentate	ngipinan
492. vein	malaugat
493. veinlet	malaugat-ugatan
494. venation	kamalaugatan
495. vascular bundle	daluyambungkos
496. wavy	alun-alon
497. whorled	kumpulan
498. xylem	danumdaluyan

B-3 TUNGKOL SA MGA BULAKLAK
(About Flowers)

499. actinomorphic	kalat-anurin
500. antropous ovule	laguspunuing kaitlugan
501. anther	supot
502. antipodal	kaibayo
503. apetalous	awantalulot
504. calyx (outer perianth)	santampok
505. carpel	itluganliha
506. catkin	laylaybulak
507. compatibility	kaakmaan
508. camphylotropous	langiliring kaitlugan
509. cmopound inflorescence	tambalang kabulaklakan
510. complete flower	ganap na bulaklak
511. corolla (inner perianth)	santalulot
512. corymb	kumpulbulak
513. cyclic flower	biluging bulaklak
514. cymose	duhambukarin
515. dichogamy	duhanggulangan
516. dimorphy	duhanyuan
517. embryo	bilig
518. embryo sac	biligan
519. epigynous	litaw-itlugnin
520. epipetalous	bukludkalakhanin
521. fascicle	siksikbulak
522. fertilization	sapunla
523. filament	himaymay
524. floret	kabulak
525. funicules	talitlog
526. gamopetalous	buklud-talulutin
527. gamosepalous	buklud-tampukin
528. glomerule	gisikbulak
529. head	ulumbulak
530. hermaphroditic flower	balakihaning bulaklak
531. hypogynous	lubug-itlugnin
532. imperfect flower	dihimpit na bulaklak
533. incomplete flower	diganap na bulaklak
534. inflorescence	kabulaklakan
535. integument	takob
536. microphyle	miklagusan
537. nucellus	bahaybilig
538. oblique inflorescence	talibas na kabulaklakan

539. orthrotropous ovule	lagusduluhing-kaitlugan
540. ovary	itlugan
541.. ovule	kaitlugan
542. parthenogenesis	isahangmulaan (isahansuplingan)
543. parthenocarphy	isahambungahan
544. pedicel	paantangkay
545. perfect flower	himpit na bulaklak
546. perianth	sambulakan
547. perigynous	pantay-itlugnin
548. petal	talulot
549. placenta	inunan
550. pistil	kabaihan
551. pistillate flower	baihaning bulaklak
552. polar nuclei	taluktuking butod
553. pollen	punlatil
554. pollen tube	tubumpunlatil
555. pollination	sapunlatil
556. polycarpellary	damlihain
557. racemose	ligidbukarin
558. receptacle, torus	takadlugan **(takad + itlugan)**
559. sepal	tampok
560. solitary flower	nag-iisang bulaklak
561. spadix	balutbulak
562. sperm cell	punlay-sihay
563. spike (inflorescence)	sihaybulak
564. stamen	kalakihan
565. staminate flower	lakihaning bulaklak
566. sterility	kabaugan, pagkabaog
567. stigma	patdahon
568. style	patindig
569. syncarpic	lagum-itlugnin
570. synergid	paningit
571. tetracarpellary	patlihain
572. tricarpellary	tatlihain
573. tube nucleus	tubumbutod
574. tubular flower	tubuhing bulaklak
575. umbel	lapyambulak
576. zygomorphic	tapat-anyuin

B-4 TUNGKOL SA MGA BUNGA
(About Fruits)

577. accessory fruit	hugpunging bunga
578. achene	binhimbunga
579. aril	lamukot
580. berry	tagtasbunga (taganas-katasing bunga)
581. caryopsis	butilbunga
582. dehiscent fruit	tilaring bunga
583. drupe	labtasbunga (labas-katasing bunga)
584. dry fruit	dikatasing bunga
585. endocarp	suludbalok
586. exocarp	labasbalok, luwasbalok
587. fleshy fruit	katasing bunga
588. follicle	bingkasbunga
589. hesperidium	bultasbunga (bulong-katasing bunga)
590. indehiscent fruit	ditilaring bunga
591. legume	tapladbunga (tapatan-tilaring bunga)
592. loment	putulbunga
593. mesocarp	gitbalok
594. multiple fruit	dambulakning bunga
595. nut	balukbunga
596. pepo	daykutbunga (dayag-kunating bunga)
597. pericarp	balok
598. pome	takadtasbunga
599. samara	pakpakbunga
600. schizocarp	duhambunga
601. silique	gitladbunga
602. simple fruit	payak na bunga
603. syncomium	ligtadbunga

B-5 PALAANYUAN AT LIKSANAN NG PALAY
(Morphology and Physiology of Rice)

604. abscission layer	punggian
605. aleurone layer	galapunging latag
606. apiculus	dunggot
607. auricle	malatainga

608. awn	sungot
609. axial appendages	mga taluhuging kahugpungan
610. bifid style	duhasangahing patindig
611. booting stage	buntising yugto
612. bract	kupis
613. bran	darak
614. brewer's rice	binlid
615. certified variety	pinatibayang aligtanim
616. chaff	tulyapis
617. coleoptile	kalubsuloy
618. coleorhiza	kalub-ugat
619. color of the hull	kulay ng talob
620. cotyledon	bindahon
621. crown	putong
622. crown root	putunging ugat
623. culm (jointed stem)	waho (biyasing tangkay)
624. curvature of the lemna	kakiluan ng luwaskupis
625. dough stage	galapunging yugto
626. embryonic axis	biliging taluhog
627. empty glumes, sterile lemnas	baugkupis
628. endosperm	lukad
629. epiblast	muldaluyan
630. epicotyle	higbindahon
631. finely branched root system	litsangahing kaugatan
632. flower	bulaklak
633. flowering stage	bulaklaking yugto
634. full ripe stage	lutluting yugto
635. generative phase	suplinging guwa
636. germ	binhay
637. germination	sabinhay
638. grain	butil
639. grain formation	sabuo ng butil
640. grain shape	hugis ng butil
641. grain size	laki ng butil
642. grain type	tipo ng butil
643. grain weight	bigat ng butil
644. heading stage	sapawing yugto
645. hilum	bikatpusod
646. hull	talob
647. husk	ipa

648. hypocotyl	kubbindahon
649. improved strain	pinabuting aligtangi
650. integument	takob
651. junctura (collar)	sugpungan
652. leaf pulvinus	agpangang-dahon
653. leaf sheath	talupak
654. lemna (outer bract)	luwaskupis
655. ligule	sugpungkupis
656. lobe (of the pedicel)	umbok (ng paantangkay)
657. lodging	paghapay
658. milk stage	malagatas na yugto
659. morphology of rice	palaanyuan ng palay
660. mucro	dungkil
661. palea (inner bract)	sulud kupis
662. panicle	kauhayan
663. panicle base	takad ng kauhayan, itang
664. panicle branches	sanga ng kauhayan
665. panicle initiation	paninipot ng kauhayan
666. pericarp	balok
667. pistil	kabaihan
668. plumose stigma	buluhang patdahon
669. plumule	binsuloy
670. prominence of the apiculus	kauslian ng dunggot
671. physiology of rice	liksanan ng palay
672. rachis	littangkay
673. radicle	binhugat
674. rachilla	miktangkay, (mata-mata)
675. ratooning	pasupling
676. rootage stage	ugating yugto
677. scutellum	balutbilig
678. seedling stage	binhiing yugto
679. seminal root	binhiing ugat
680. shattering	pagkalugas
681. spike (rice morphology)	uhay
682. spikelet	lit-uhay
683. standard variety	pamantayang aligtanim
684. stigma	patdahon
685. style	patindig
686. testa	labastakob
687. tillering stage	suwihing yugto
688. transition period	salinyuing yugto
689. vegetable phase	gulayang guwa

690. yellow ripe stage . . . . . malabatong yugto

K. DALUBKULISAPAN
(Entomology)

691. abdomen — tiyan
692. accessory gland — dagdagkatasan
693. antennae — sungot, antena
694. attractant — pantawag-pansin
695. bacteria . . . . . ishay
696. bacteriacide — pamatay-ishay
697. big fly (bluefly) — bangaw
698. big moth — gamu-gamo
699. bipictinate — duhampalungin
700. biological control . . . . . haynaying sapigil
701. bug — atangya, alitangya
702. capitate — uluhin
703. carrier — tagapagdala
704. caterpillar — uod ng paruparo
705. chemical name . . . . . kapnaying ngalan
706. cicada — kuliglig
707. compatible — maakmain
708. compound eyes — lambalang mata
709. concentration — sadamsik
710. contact pesticide . . . . . dantaying pamatay-kulisap
711. cricket — kagaykay, kerwe
712. cuticle — balamban, balok
713. diluent — pambanto, budbod
714. drift (v.) — matangay o maanod
715. earthworm . . . . . bulati
716. emulsion — lapunaw, langisluswan
717. emulsifying agent — lapunawing kinagawa
718. eradicant fungicide — pamuksa, pamatay-buot
719. exocuticle — luwasbalamban
720. femur . . . . . bulalo
721. filiform — sulirin, malasulid
722. flatworm — lapyulod
723. formulation — saanyo
724. fumigant — pangasaw
725. fungi . . . . . buot
726. fungicide — pamatay-buot
727. gad fly — bangyaw
728. geniculate — dugtungin

729. grasshopper	tipaklong
730. grub (thick larva)	ulay
731. hazard	panganib
732. hemimetabola	diganap na banyuhay
733. holometabola	ganap na banyuhay
734. herbicide	pamatay-damo
735. hyphopharynx	kublagukan
736. horse fly	tabanas
737. high volume	mataas na buok
738. inert ingredient	matigal na kasangkap
739. insect	kulisap
740. insecticide	pamatay-kulisap
741. katydid	tururukan
742. larva	yugtong-uod, yugtod
743. larvacide	pamatay-yugtod
744. leafhopper	ngusong kabayo
745. life cycle	ikot-buhay
746. locust	balang
747. low volume	mababang buok
748. maggot	tilas
749. mandible	babasihang
750. maxilla	taasihang
751. mesothorax	duhandughan
752. midge	niknik
753. mite	hanip
754. molluscicide	pamatay-kumabibi
755. moniliform	malabutil
756. moth	gagamo
757. nematode	bilughati, apad
758. nematocide	pamataybilughati
759. occiput	pilipot
760. pectinate	palungin
761. pesticide	pamatay-angol
762. pesticide residue	tira ng pamatay-angol
763. plasma	kaphay (sangkap ng buhay)
764. plumose	balahibuhin
765. polyembryony	dambiligan
766. prothorax	undughan
767. rate	kabilsan
768. repellent	pantaboy
769. residual effect	nalalabing bisa
770. residue tolerance	matitiis na labi

771. resistance	sagwil
772. rodent	ngatngatin
773. rodenticide	pamatay-ngatngatin
774. seasonal cycle	panahuning ikot
775. setaceous	tutsangin
776. serrate	malalagari
777. snail	suso
778. sperm tubes	tubumpunlay
779. spray	wisik
780. spraying	sawisik
781. solution	kaluswan
782. sticker	pandikit
783. systematic pesticide	maayos na pamatay-angol
784. thorax	dughan (Hlg.)
785. tick	garapata
786. toxicity	pagkalason
787. vertex	tuktok
788. volatile	singawin
789. weed	hilamon
790. weedicide	pamatay-hilamon
791. wetting agent	pambasang kinagawa
792. wettable powder	mababasang pulbos
793. wing	pakpak

D. PALAHALMANAN
(Horticulture)

794. aclimatization	sasanay-panhon
795. absorption	sasigom
796. apical meristem	duluhing hatianan
797. aquatic plant	tubigning halaman
798. arid plant	tigang na halaman
799. artificial pollination	sinadyang sapunlatil
800. asexual reproduction	awansariing balisuplingan
801. asthocyanin	liladinsol
802. auxins	kapsibol
803. backross	salahi
804. breeding	sabinhi
805. budding	dugtumbuko
806. bulb	sangansuloy
807. cell	sihay
808. clone	aligkatwan
809. contour	pantaygilirin

810. corm	kalislindigsuloy
811. cross-pollination	tawidsapunlatil
812. crown	putungsuloy
813. diploid	duhambilmanahin
814. floriculture	palabulaklakan
815. flowering	pamumulaklak
816. fruit	bunga
817. grafting	dugtungsanga
818. greenhouse	paalagaang-halaman
819. group	lipon
820. gullying	sadaantubig
821. habitat	tirahanan
822. hardwood cuttings	saputol ng tigaskahoy
823. herb	halmandamo
824. herbicide	pamatay-halmandamo
825. homologous	katulad
826. horticulture	palahalmanan
827. hybrid	tawidbinhi
828. hybridization	satawid-binhi
829. hypocotyle	higbindahon
830. indehiscent	ditilaring bunga
831. inflorescence	kabulaklakan
832. integuments	takob
833. key fruit	pakpak-bunga
834. kind	uri
835. landscape gardening	pantanawing paghahalaman
836. layering	paugat
837. location	pook
838. megagametophyte	daksaribinhi
839. megaspore	dakbinlit
840. meristem	hatianan
841. meristematic tissues	hatiananing sihayan
842. micellus	bahaybilig
843. microgametophyte	miksaribinhi
844. microphyle	miklagusan
845. microspore	mikbinlit
846. mitosis	hatimbutod
847. mulching	sakilib
848. multiple fruit	dambulaking bunga
849. mutation	pag-ibanyuhay
850. nursery	halpunlaan
851. nursery plant	halpunlaaning halaman

852. order	kublipihay
853. plant propagation	sakalat ng halaman
854. plant kingdom	anyuhay ng halaman
855. pollination	sapunlatil
856. pomology	palabungahan
857. primary meristem	pangunahing hatianan
858. progeny	kaapuhan
859. quincuix	limahan
860. secondary meristem	pangalwahing hatianan
861. seedling (planted)	punla
862. self-pollination	sarisapunlatil
863. sexual propagation	sariing sakalat
864. site	lunan
865. spray	sawisik
866. rhizome	kalisgapansuloy
867. runner	sangansibol
868. scion	karugtong
869. semi-hardwood cuttings	mala-tigasing saputol
870. separation	sahiwalay
871. softwood cutting	saputol ng banakal
872. species	sarihay
873. square system	kaayusang parisukat
874. stock	dugtungan
875. stolon	sangambusngi
876. sucker	suwi
877. terrestial	dalatan
878. tissue culture	sihayang linang
879. topography	kalatagan
880. true fruit	tunay na bunga
881. variety (of plant)	aligtanim
882. vegetable	gulay
883. vegetative propagation	gulaying sakalat

E. HALMANING PALABINHIAN
(Plant Breeding)

884. acentric chromosomes	digitnang kulaylawas
885. asquired character	natamong sangkatangian
886. albinism	awandinsol
887. aleurone layer	galapunging latag
888. amino acid	amino asid
889 anther	supot

890. anaphase	patidyugto
891. antibody	labanhay
892. ascospore	walumbinlit
893. character	sangkatangian
894. cytokinesis	silidkilos
895. cytology	palasihayan
896. cytoplasm	silidkaphay
897. dihybrid	duhanghalumbinhi
898. deviation	kaliwasan, liwas
899. egg	itlog
900. embryo	bilig
901. embryo sac	supot ng bilig
902. ensilage	tininggal
903. emergence	sausbong
904. environment	kapaligiran
905. estrogen	estrohen
906. gametophyte	saribinhian
907. gene	kamana
908. filament	himaymay
909. forage	kumpay
910. haploid or monoploid	sambilmana
911. heredity	kamanahan
912. hermaphrodite	balaki
913. inbreeding	samulambinhi
914. mendelian population	santauhang mendelhin
915. nucleic acid	buturing asid
916. monohybrid	isanghalumbinhi
917. monohybrid cross	isanghalumbinhing tawid
918. mutant	ibanyuhay
919. mutation	pag-ibanyuhay
920. morphology	palaanyuan
921. mosaic	kalatkulay
922. outbreeding	luwasambinhi
923. pedigree	talalahian
924. population	santauhan
925. progeny	kaapuhan
926. ribosome	ribolawas

G. PALASAKITANG HALAMAN
(Plant Pathology)

927. achlorophyllous	awanluntidinsulin
928. antheridium	mulpunlayan

929. anisogamy	dikalangkapan
930. antibiotic	labanhayanin
931. ascospore	walumbinlit
932. asporogenous	dibinlitin
933. basidium	apatbinlitan
934. basidiospore	sihaybinlit
935. bipolarity	kaduhaang-taluktok
936. blastospore	usbumbinlit
937. blepharoplast	pitikatwan
938. budding	bukundugtong
939. bryophyte	lumutan
940. colony	sampangkat
941. coprophilous	sibuldumi
942. damping off	pagkalanta
943. dioecious	sansariin
944. dimorphy	duhanyuan
945. diploid	duhambilmanahin
946. dikaryotic	duhambutudnin
947. dikaryon	duhambutod
948. epigean	babawgabusin
949. fertilization tube	tubunsapunla
950. fission	sahati
951. flagellum	mikpitik
952. frond	dakdahon
953. fructification	sabunga
954. funiculus	talitlog
955. fungus	buot
956. gametangium	sarisihayan
957. gametangial contact	sarisihaying diit
958. gamete	saribinhi
959. genus	urihay
960. haustorium	panipsip-ugat
961. hermaphoditic	balaki
962. heterothallic	tawidsuplingin
963. heterokaryosis	dambuturanan
964. haploid	sambilmanahin
965. homokaryotic	hawig-butod
966. host	sasandigan
967. holocarpic	buunsuplingin
968. hyaline	awankulay
969. hypa	hiblay
970. liana	dakbaging
971. lichen	ligbus

972. eucarpic	tanginsuplingin
973. macrocyst	dakbalutan
974. microcyst	mikbalutan
975. mycorrhiza	ugat-buot
976. monokaryotic	isambuturin
977. monomorphic	sanghayupbinlit
978. mootling	pangungulot
979. mycelium	sanghiblayan
980. mycology	palabuutan
981. obligate saprobe	hingiing lalabi
982. obligate parasite	hingiing sasandig
983. oidiophore	himay-binlit
984. parthenogenesis	isahang mulaan
985. parasite	sasandig
986. peridium	balutbinlitan
987. petri dish	pinggang petri
988. perfect stage	himpit na yugto
989. planogamete	galansarisihay
990. planogametic copulation	galansarisihaying sasama
991. plasmodium	sangmulkaphay
992. plasmogamy	kaphaylangkapan
993. protoperithecium	mulbilugbinlitan
994. protoplasmodium	mulaang mulkaphay
995. pseudospore	huwadbinlit
996. pseudoplasmodium	huwadsangmulkaphay
997. pseudoparenchyma	huwadmulsihayan
998. pseudoperithecium	huwadbilubinlitan
999. pyenidiospore	guwambinlit
1000. pysnosclerotium	guwamtigashiblayan
1001. rhizomorph	anyugat
1002. rhizoplast	ugatkatwan
1003. rhizomycelium	ugatligbus
1004. saprobe	lalabi
1005. sclerotium	tigashiblayan
1006. self-incompatible	saridikaakma
1007. sporangiospore	sulirimbinlit
1008. sporangium	binlitan
1009. spores	binlit
1010. species	sarihay
1011. spermatium	mikpunlay
1012. spermatization	samikpunlay
1013. sporocyte	tinakubishay

1014. somatogamy	lawaslangkapan
1015. sorus	sambinlitan
1016. stroma	buotkumpol
1017. swarm cell	kawansihay
1018. taxonomy	palasuriang-halaman
1019. thallus	malasuwi
1020. vesicle	haybinlitan
1021. zoospore	hayupbinlit
1022. zygospore	punlambinlit
1023. zygosporangium	punlambinlitan
1024. zygote	punlog

H. PALASULIPAN
(Soils)

1025. absorption	sasigom
1026. acidic soil	maasid na sulip
1027. accelerated erosion	dinarasig na sapudpod
1028. acidity active	kaasdang bilos
1029. adhesion	sadikit
1030. aggregate	tigkal
1031. air porosity	kabuhagang-angin
1032. air, dry	anging tuyo
1033. alkaline soil	maalkang sulip
1034. alluvium	banlik
1035. amino acid	amino asid
1036. amendment soil	susog na sulip
1037. anion	tahapik
1038. brown soil	kayumangging sulip
1039. capillary porosity	lamaring kabuhagan
1040. capillary water	lamaring tubig
1041. clay soil	luwad na sulip
1042. clod	kimpal (na sulip)
1043. clay	luwad
1044. corrosion (of soil)	hitaba
1045. cover crop	takipsuliping pananim
1046. coarse texture	magaspang na kagalasan
1047. diagnostic horizon	suri-araling kagiliran
1048. disperse	pakalatin
1049. drainage soil	hitubiging sulip
1050. erosion	sapudpod
1051. evapotranspiration	hisalinsingaw
1052. fallow	pahingang lupa

1053. fertile soil	matabang sulip
1054. fertility soil	katabaan ng sulip
1055. field capacity	laranganing kakayahan
1056. fixation	sapigil
1057. genesis soil	samulang sulip
1058. granular structure	butiling kayarian
1059. gravitational water	dagsining tubig
1060. green manure	sariwang dumi
1061. gully erosion	daantubigning sapudpod
1062. heavy soil	mabigat na sulip
1063. horizon soil	kagiliraning sulip
1064. humus	hayinsulip
1065. infiltration	suludtagas
1066. ions	dagipik
1067. land	iupa
1068. land classification	sasuri ng lupa
1069. leaching	hitagas
1070. limestone	batong-apog
1071. lime, agricultural	sakahaning apog
1072. loam	gabok
1073. loamy	magabok
1074. macronutrients	kalakhang kapaniya
1075. marsh	latian
1076. mellow soil	malambot na sulip
1077. microflora	kamikhalmanan
1078. microfauna	kamikhayupan
1079. mineralization	salupangkap
1080. micronutrient	mik-kapaniya
1081. mineral soil	lupangkaping sulip
1082. morphology of soil	palaanyuan ng sulip
1083. mulch	kilib
1084. mulch farming	kilib na pagsasaka
1085. natural erosion	likas na sapudpod
1086. nematode	bilughati, apad
1087. neutral soil	awanlinging sulip
1088. nitrogen fixation	sapigil ng nitrohen
1089. organic soil	taghaying sulip
1090. parent rock	mulaambato
1091. oven dry soil	pinatuyong sulip
1092. phase soil	guwang sulip
1093. plastic soil	salahing na sulip
1094. puddled soil	nilamusak na sulip
1095. residual soil	naiiwang sulip

1096. rill	saluysoy
1097. rill erosion	saluysuying sapudpod
1098. rock	dakbato
1099. saline	maalat, tugno
1100. sand	buhangin
1101. sandy soil	mabuhanging sulip
1102. secondary mineral	pangalwahing lupangkap
1103. sheet erosion	nipising sapudpod
1104. silica	silika
1105. sterile soil	baog na sulip
1106. soil air	angin ng sulip
1107. soil classification	palaurian ng sulip
1108. soil colloid	maladigkit ng sulip
1109. soil conservation	satinggal ng sulip
1110. soil depth	lalim ng sulip
1111. soil erosion	sapudpod ng sulip
1112. soil horizon	kagiliran ng sulip
1113. soil microorganism	miktataghay ng sulip
1114. soil microbiology	mikhaynayan ng sulip
1115. soil profile	gilidlaraw ng sulip
1116. soil reaction	balibilos ng sulip
1117. soil science	palasulipan
1118. soil series	sunuran ng sulip
1119. sub-soiling	pangungubsulip
1120. soil solution	kaluswan ng sulip
1121. soil survey	siyasig ng sulip
1122. soil structure	kayarian ng sulip
1123. soil texture	kagalasan ng sulip
1124. soil type	tipo ng sulip
1125. soil water	tubig ng sulip
1126. surface soil	dayaging sulip
1127. streambank erosion	pampanging sapudpod
1128. symbiosis	salighayan
1129. tension soil	igting sulip
1130. terrace	saray
1131. tilth	salinang
1132. top soil	pang-itaas na sulip
1133. virgin soil	lantay na sulip
1134. waterlogged	babad
1135. weathering	pagkagabok
1136. wilting point	tungos ng pagkalanta

MGA DAGLAT
(Abbreviations)

Hlg.	Hiligaynon
Kpn.	Kapampangan
Mar.	Maranaw
Bis.	Bisaya
Mat. Tag.	Matandang Tagalog
Ilk.	Ilokano
Bkl.	Bikol
Ak.	Anak